

EPA/NREL Solar on Landfills FS Meeting Update
3/9/12

3/7/12, Wednesday Attendees:

Andria Benner, EPA
Lura Matthews, EPA
Lars Lisell, NREL
Lisa Cuestas, ES
Jeff Drumm, ES

- Lisa and I met with EPA/NREL on Wednesday afternoon from approximately 1 to 4 pm. During the Wednesday meeting, we developed solar application scenarios for the FS based on the 5 landfills we submitted for the study. We agreed to present the scenarios to TEP the following day to determine if TEP would be interested in the projects. The projects follow:

Ryland Landfill – Build a solar array on the site and a transmission main to Pima County jail for power supply. The project will require an IGA with the County and an USACE 404 permit to cross the Santa Cruz River with power.

Silverbell Landfill – Build a solar array on the north and south cells of the landfill. Supply power to the Silver Bell Golf Course, Sweetwater Recharge Facility, and the proposed Silverbell Groundwater Pump and Treat System.

Vincent Mullins Landfill – Build a solar array on the landfill. Provide power to City Facilities in the area including Ward 2 and Udall Park. Incorporate solar heating for the pool to add incentive to the project.

Harrison and Irvington Landfills – Build solar arrays and export power to Davis Monthan AFB or TEP.

- We closed out the meeting and agreed to meet at 9am on Thursday.

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3/9/12

3/8/12, Thursday Attendees:

Carmine Tilghman, TEP
Andria Benner, EPA
Lura Matthews, EPA
Lars Lisell, NREL
Bruce Plenk, Facilities
Jeff Drumm, ES

- Bruce and I met with the group Thursday morning at the Marriot prior to going to TEP. Bruce reviewed the scenarios with the group and answered questions about the Arizona Corporation Commission and renewable energy issues in the state.
- The group met with TEP from 10 to 12:30. We discussed the proposed projects with Carmine.
- Carmine stated all of the projects were possible. He requested the FS include an extensive section on how to address building solar arrays on landfills to include methane and protection of electrical conduits, soil settlement, storm water erosion, and landfill gas extraction systems. He said finance people are reluctant to do projects on landfills because of the unknowns and with proper documentation it will be easier to justify the projects. When we asked about doing projects with DOD he stated to go ahead. All of the federal solar projects we see around Tucson (VA, DMAFB Housing, and Fort Huachuca Housing) have all been done without TEP involvement.
- We adjourned at 12:30 and had lunch and toured the landfills. The tour ended at 5pm. I fueled the van and returned it to Fleet this morning.